Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/22/2018 11:36 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123359	-2	1.73	123389	1.75
Blue	F	SSC	125000	124146	-1	1.29	124711	1.25
Blue	E	FITC	15760	15391	-3	2.89	331	22.71
Blue	D	PE	25880	25304	-3	1.96	549	17.11
Blue	B	PerCP-Cy5-5	34075	34195	0	4.26	1041	22.87
Blue	A	PE-Cy7	22776	22890	0	7.45	555	44.78
Red	C	APC	42488	41623	-3	2.75	1570	13.27
Red	A	APC-Cy7	24478	24164	-2	2.94	834	12.87
Violet	B	V450	6304	6132	-3	4.07	385	16.39
Violet	A	V500	26005	24953	-5	3.64	593	12.82

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20322	7.66	607	10	N/A	N/A	Pass
Blue	F	SSC	56885	0.98	570	15	N/A	N/A	Pass
Blue	E	FITC	57	75.94	562	6	0.0155	199	Pass
Blue	D	PE	115	57.86	556	7	0.1193	276	Pass
Blue	B	PerCP-Cy5-5	201	55.99	656	9	0.0074	101	Pass
Blue	A	PE-Cy7	108	111.68	709	12	0.0093	29	Pass
Red	C	APC	374	28.42	602	2	0.0205	195	Pass
Red	A	APC-Cy7	204	28.61	572	1	0.0048	1133	Pass
Violet	B	V450	72	63.26	492	3	0.0271	2357	Pass
Violet	A	V500	91	42.59	508	2	0.0134	931	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.19	-30.79	0.97
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.41
Red	15.88	13.60 - 20.40	N/A	N/A	30.68	31.15	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10678

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments